

# Hit List

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**Search Results - Record(s) 1 through 5 of 5 returned.**

☐ 1. Document ID: US 20030058277 A1

**Using default format because multiple data bases are involved.**

L14: Entry 1 of 5

File: PGPB

Mar 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030058277

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030058277 A1

TITLE: A VIEW CONFIGURER IN A PRESENTATION SERVICES PATTERNS ENVIROMENT

PUBLICATION-DATE: March 27, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
BOWMAN-AMUAH, MICHEL K.	COLORADO SPRINGS	CO	US	

US-CL-CURRENT: 715/765

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Drawings
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☐ 2. Document ID: US 6724403 B1

L14: Entry 2 of 5

File: USPT

Apr 20, 2004

US-PAT-NO: 6724403

DOCUMENT-IDENTIFIER: US 6724403 B1

TITLE: System and method for simultaneous display of multiple information sources

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	FIGS	Drawings
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☐ 3. Document ID: US 6636242 B2

L14: Entry 3 of 5

File: USPT

Oct 21, 2003

US-PAT-NO: 6636242

DOCUMENT-IDENTIFIER: US 6636242 B2

TITLE: View configurer in a presentation services patterns environment

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawings
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☐ 4. Document ID: US 6590588 B2

L14: Entry 4 of 5

File: USPT

Jul 8, 2003

US-PAT-NO: 6590588

DOCUMENT-IDENTIFIER: US 6590588 B2

TITLE: Wireless, radio-frequency communications using a handheld computer

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawings
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☐ 5. Document ID: US 6587127 B1

L14: Entry 5 of 5

File: USPT

Jul 1, 2003

US-PAT-NO: 6587127

DOCUMENT-IDENTIFIER: US 6587127 B1

TITLE: Content player method and server with user profile

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawings
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L13 and (down\$ or record\$ or transfer\$)	5

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L14: Entry 2 of 5

File: USPT

Apr 20, 2004

US-PAT-NO: 6724403

DOCUMENT-IDENTIFIER: US 6724403 B1

TITLE: System and method for simultaneous display of multiple information sources

DATE-ISSUED: April 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Santoro; Ovid	London			GB
Lagermann; Klaus	Copenhagen			DK

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Surfcaster, Inc.	Palo Alto	CA			02

APPL-NO: 09/ 702325 [\[PALM\]](#)

DATE FILED: October 30, 2000

PARENT-CASE:

This application claims priority to provisional patent application entitled "System and Method For Simultaneous Display of Multiple Datastreams", Ser. No. 60/162,522, filed Oct. 29, 1999.

INT-CL: [07] [G06 F 15/00](#)

US-CL-ISSUED: 345/765; 345/790

US-CL-CURRENT: [715/765](#); [715/790](#)

FIELD-OF-SEARCH: 345/765, 345/766, 345/764, 345/729, 345/781, 345/788, 345/716, 345/717, 345/792, 345/790

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <a href="#">4555775</a>	November 1985	Pike	
<input type="checkbox"/> <a href="#">4653020</a>	March 1987	Cheselka et al.	
<input type="checkbox"/> <a href="#">4712191</a>	December 1987	Penna	
<input type="checkbox"/> <a href="#">4831556</a>	May 1989	Oono	345/786

<input type="checkbox"/>	<u>5157384</u>	October 1992	Greanias et al.	
<input type="checkbox"/>	<u>5394521</u>	February 1995	Henderson, Jr. et al.	
<input type="checkbox"/>	<u>5479602</u>	December 1995	Baecker et al.	
<input type="checkbox"/>	<u>5550968</u>	August 1996	Miller et al.	345/741
<input type="checkbox"/>	<u>5740430</u>	April 1998	Rosenberg et al.	
<input type="checkbox"/>	<u>5740549</u>	April 1998	Reilly et al.	
<input type="checkbox"/>	<u>5757371</u>	May 1998	Oran et al.	345/779
<input type="checkbox"/>	<u>5778181</u>	July 1998	Hidary et al.	
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<input type="checkbox"/>	<u>5796383</u>	August 1998	Henshaw et al.	
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<input type="checkbox"/>	<u>5812123</u>	September 1998	Rowe et al.	725/43
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<input type="checkbox"/>	<u>5831664</u>	November 1998	Wharton et al.	725/81
<input type="checkbox"/>	<u>5838326</u>	November 1998	Card et al.	345/775
<input type="checkbox"/>	<u>5841418</u>	November 1998	Bril et al.	345/3
<input type="checkbox"/>	<u>5848352</u>	December 1998	Dougherty et al.	
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<input type="checkbox"/>	<u>5918237</u>	June 1999	Montalbano	
<input type="checkbox"/>	<u>5929854</u>	July 1999	Ross	345/783
<input type="checkbox"/>	<u>6003041</u>	December 1999	Wugofski	
<input type="checkbox"/>	<u>6011537</u>	January 2000	Slotznick	
<input type="checkbox"/>	<u>6025837</u>	February 2000	Matthews, III et al.	
<input type="checkbox"/>	<u>6028602</u>	February 2000	Weidenfeller et al.	
<input type="checkbox"/>	<u>6160553</u>	December 2000	Robertson et al.	345/767
<input type="checkbox"/>	<u>6166738</u>	December 2000	Robertson et al.	345/839
<input type="checkbox"/>	<u>6188405</u>	February 2001	Czerwinski et al.	345/764
<input type="checkbox"/>	<u>6411275</u>	June 2002	Hedberg	345/156

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Martin S Matthews and Erik B. Poulsen, FrontPage 2000: The Complete Reference, May 1, 1999, McGraw-Hil Osborne Media, Chpater 19, pp. 1-12.\*

John Ross, ABCs of Internet Explore 4, Copyright 1997, Sybex, Chapter 13, pp. 1-3.\*

Paul McFedries, The Complete Idiot's Guide to Window 95, Mar. 1997, 2nd Edition, pp. 3-7, 97, 101, 105-107, 379.\*

PCT International Search Report, Application No. PCT/US00/29850, dated Jun. 25, 2001, 3 sheets.

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Available Web Site: [www.ububu.com](http://www.ububu.com) Accessed on: May 9, 2001.

Available Web Site: [www.charb.com](http://www.charb.com) Accessed on: Nov 7, 2000.

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Oct. 2000, Product Spotlight: Non-browser based portal solution from Snippets  
Software, Inc., Corporate Portals Letter [Online] 1(10), 1-3. Available Web Site:  
[www.snippets.com/download/Corporate\\_Portal\\_Article.pdf](http://www.snippets.com/download/Corporate_Portal_Article.pdf) Accessed on May 9, 2001.

ART-UNIT: 2173

PRIMARY-EXAMINER: Nguyen; Cao (Kevin)

ATTY-AGENT-FIRM: Pennie & Edmonds LLP

ABSTRACT:

A computerized method of presenting information from a variety of sources on a display device. Specifically the present invention describes a graphical user interface for organizing the simultaneous display of information from a multitude of information sources. In particular, the present invention comprises a graphical user interface which organizes content from a variety of information sources into a grid of tiles, each of which can refresh its content independently of the others. The grid functionality manages the refresh rates of the multiple information sources. The present invention is intended to operate in a platform independent manner.

52 Claims, 27 Drawing figures

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L17: Entry 1 of 1

File: USPT

Apr 20, 2004

DOCUMENT-IDENTIFIER: US 6724403 B1

TITLE: System and method for simultaneous display of multiple information sources

Brief Summary Text (10):

Similarly, if a user wishes to make two or more simultaneous downloads there is no control over the relative rates at which the respective downloads would occur. So-called "push technologies" attempt to address this problem by organizing information from a number of related sources and sending it periodically to a user. While this arrangement frees a user from actively participating in the download, the price is that the user has little control over the organization of the information and can only practically handle a small number of such transmissions at any one time. Each transmission is subject to the bandwidth available.

Drawing Description Text (24):

FIG. 22 shows an overview of the connection layers that are responsible for controlling the download of multiple web-pages from the world wide web.

Detailed Description Text (45):

The application may be downloaded from a pre-determined web-site and operates in a client-server mode. Users may download preconfigured grids from the predetermined server. A grid configuration "wizard" program which guides a user through a step by step set up of a custom-grid may also be downloaded. Other web hosts are able to deliver content to end-users via the predetermined server. Some basic functions of the grid can be carried out on the predetermined server and provided to the user.

Detailed Description Text (47):

In one embodiment of the present invention, the set up of a particular grid is achieved through a grid configuration program ("wizard") that is downloaded to the display device from a remote site. The grid configuration program permits a user to define and install one or more grids on the client system. When a tile is partitioned into a further array of tiles, the grid configuration program can also be used. One embodiment of the user interface of the grid configuration wizard is shown in FIG. 14.

Detailed Description Text (65):

The URL loader 1510, FIG. 17, provides a mechanism for retrieving content. The URL loader 1510 interacts with connection manager 1512 for tiles which need to make a network connection. Tiles and the metabase ask for content for a given URL and the content manager will attempt to retrieve it. The metabase also contacts the connection manager through the URL loader to ascertain whether there is sufficient bandwidth for the transfer. In particular, the connection manager decides whether the URL loader should furnish tile content from the cache 1746, as would be the case if the content has been recently displayed and stored locally. Alternatively, if the content is not cached, the URL loader supervises loading of content from the location specified by the URL.

Detailed Description Text (91):

When two or more tiles connect to sources of data available over a network,

communication must be established in such a way that the rate at which updated data is transmitted to the grid can be controlled. In practice, for an embodiment of the application which resides on a user's computer, a flow control protocol such as TCP is required. In this way, each tile can communicate with the remote datastream to which it is linked and a determination can be made of available bandwidth at the time of data transfer. Alternatively, in a client-server mode, flow control is not necessary because communication with the server suffices, as is described below.

Detailed Description Text (92):

It is not practical to fire up a separate browser program from each tile that wishes to download data from a site on the world wide web. A web-browser is very greedy on memory and resources and the user would have little or no control over the respective rates at which data was downloaded from different sites.

Detailed Description Text (93):

Instead, in a preferred embodiment of the present invention, a hierarchy of layers manages the simultaneous connection and allocation of resources to different world wide web sites, as shown in FIG. 22. The layer structure applies to the way in which any given tile downloads content.

Detailed Description Text (97):

In a preferred embodiment, a pre-fetch utility such as URL pre-fetch manager 2208 can be implemented. It saves the user time if items can be pre-fetched instead of waiting for their download. Several strategies can be used to obtain pre-fetch items for the user. Using a history of a user's previous browsing habits, it is possible to predict what the user will probably want next. Another function of a pre-fetch utility is to periodically check the validity of items in the cache and to make sure they are up to date. As would be familiar to one skilled in the art, some of the new HTTP1.1 methods would prove very useful for this; namely the conditional gets. Another strategy is to start loading links from the page that a user is browsing, regardless of whether the user has selected the links. Although such an approach could be very wasteful of resources if there are a lot of links and very few are ultimately accessed and also because a lot of links tend to be advertisers, in situations where very high capacity bandwidth exists, this approach could be effective.

Detailed Description Text (98):

The connection layer 2209 handles each individual request for download passed to it through the URL manager, regardless of whether it is an HTML page, a graphic or sound file. The connection manager 2210 understands the total bandwidth available for allocation, for example, whether the device is connected to a modem or a T-1 line. It will also manage the connection to the requested site and maintain its own cache. Before making a network request for an item, connection manager 2210 first checks its cache, the connection manager cache 2212. If the item is not in the cache, the connection manager then passes the request off to the HTTP protocol socket 2214 in the protocol layer 2215. The way in which HTTP protocols and caches work is familiar to one skilled in the art.

Detailed Description Text (101):

With all communications going through the same socket layer it is possible to easily collect data about a socket's bandwidth usage. If, at the connection layer, it is noticed that the total bandwidth allocation has been exceeded, it is a simple case of blocking further data transfer until such time as total bandwidth usage falls back under what has been allocated.

Detailed Description Text (104):

The tiles that need access to the network resource for downloading content from a URL, pass certain parameters to the URL loader which manages all such requests from the tiles. These parameters include the URL itself, the priority of the tile, the minimum bandwidth requirement if any, and the maximum bandwidth requirement, if

any.

Detailed Description Text (115):

In one embodiment of the present invention, FIG. 24, the user at client device 2400 interacts with server software on a server 2402. The server stores locally a profile comprising user-specific content 2406 that can feed customized data to the user. For example, the user may store pre-defined grid configurations on the server. Additionally, passwords for specific web-sites can be stored along with the user's profile. A grid generator 2404 on the server creates a grid of tiles according to user-specified content. Each tile has been created on the server by producing an image from the location specified. For example, tile creator 2408-1 produces a tile from content 2410-1. Thus, when a user logs on to the server, for example through a conventional web-browser, a grid of tiles is downloaded to the user's system.

Detailed Description Text (123):

In a preferred embodiment of client server operation, shown in FIG. 26, aspects of a user's grid profile are transmitted to third parties so that the third parties may then communicate tile based content directly to the user. For example, a user's custom grid may contain a tile that points to a third party web-site 2604. Content 2606 from the 3.sup.rd party web-site is typically transferred to the server for dissemination to the user. The server 2602 notifies the 3.sup.rd party web-site that the user requires tiled data by, for example, transmitting user information 2608. The third party then permits the tile based content of its web-site to be transmitted directly to the user.

Detailed Description Text (124):

The use of servers also allows for the latest versions of tiles to be downloaded and installed across all devices. Users are then able to share grids and tiles with other users. The server side technology utilized permits users of all client devices, from desktop PC's to mobile telephones with a consistent experience.

Other Reference Publication (12):

Oct. 2000, Product Spotlight: Non-browser based portal solution from Snippets Software, Inc., Corporate Portals Letter [Online] 1(10), 1-3. Available Web Site: [www.snippets.com/download/Corporate\\_Portal\\_Article.pdf](http://www.snippets.com/download/Corporate_Portal_Article.pdf) Accessed on May 9, 2001.

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L17: Entry 1 of 1

File: USPT

Apr 20, 2004

US-PAT-NO: 6724403

DOCUMENT-IDENTIFIER: US 6724403 B1

TITLE: System and method for simultaneous display of multiple information sources

DATE-ISSUED: April 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Santoro; Ovid	London			GB
Lagermann; Klaus	Copenhagen			DK

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Surfcaster, Inc.	Palo Alto	CA			02

APPL-NO: 09/ 702325 [PALM]

DATE FILED: October 30, 2000

PARENT-CASE:

This application claims priority to provisional patent application entitled "System and Method For Simultaneous Display of Multiple Datastreams", Ser. No. 60/162,522, filed Oct. 29, 1999.

INT-CL: [07] G06 F 15/00

US-CL-ISSUED: 345/765; 345/790

US-CL-CURRENT: 715/765; 715/790

FIELD-OF-SEARCH: 345/765, 345/766, 345/764, 345/729, 345/781, 345/788, 345/716, 345/717, 345/792, 345/790

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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Search ALL

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<input type="checkbox"/>	<u>4653020</u>	March 1987	Cheselka et al.	
<input type="checkbox"/>	<u>4712191</u>	December 1987	Penna	

<input type="checkbox"/>	<u>4831556</u>	May 1989	Oono	345/786
<input type="checkbox"/>	<u>5157384</u>	October 1992	Greanias et al.	
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<input type="checkbox"/>	<u>5838326</u>	November 1998	Card et al.	345/775
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<input type="checkbox"/>	<u>6188405</u>	February 2001	Czerwinski et al.	345/764
<input type="checkbox"/>	<u>6411275</u>	June 2002	Hedberg	345/156

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John Ross, ABCs of Internet Explore 4, Copyright 1997, Sybex, Chapter 13, pp. 1-3.\*

Paul McFedries, The Complete Idiot's Guide to Window 95, Mar. 1997, 2nd Edition, pp. 3-7, 97, 101, 105-107, 379.\*

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Oct. 2000, Product Spotlight: Non-browser based portal solution from Snippets  
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[www.snippets.com/download/Corporate\\_Portal\\_Article.pdf](http://www.snippets.com/download/Corporate_Portal_Article.pdf) Accessed on May 9, 2001.

ART-UNIT: 2173

PRIMARY-EXAMINER: Nguyen; Cao (Kevin)

ATTY-AGENT-FIRM: Pennie & Edmonds LLP

ABSTRACT:

A computerized method of presenting information from a variety of sources on a display device. Specifically the present invention describes a graphical user interface for organizing the simultaneous display of information from a multitude of information sources. In particular, the present invention comprises a graphical user interface which organizes content from a variety of information sources into a grid of tiles, each of which can refresh its content independently of the others. The grid functionality manages the refresh rates of the multiple information sources. The present invention is intended to operate in a platform independent manner.

52 Claims, 27 Drawing figures

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